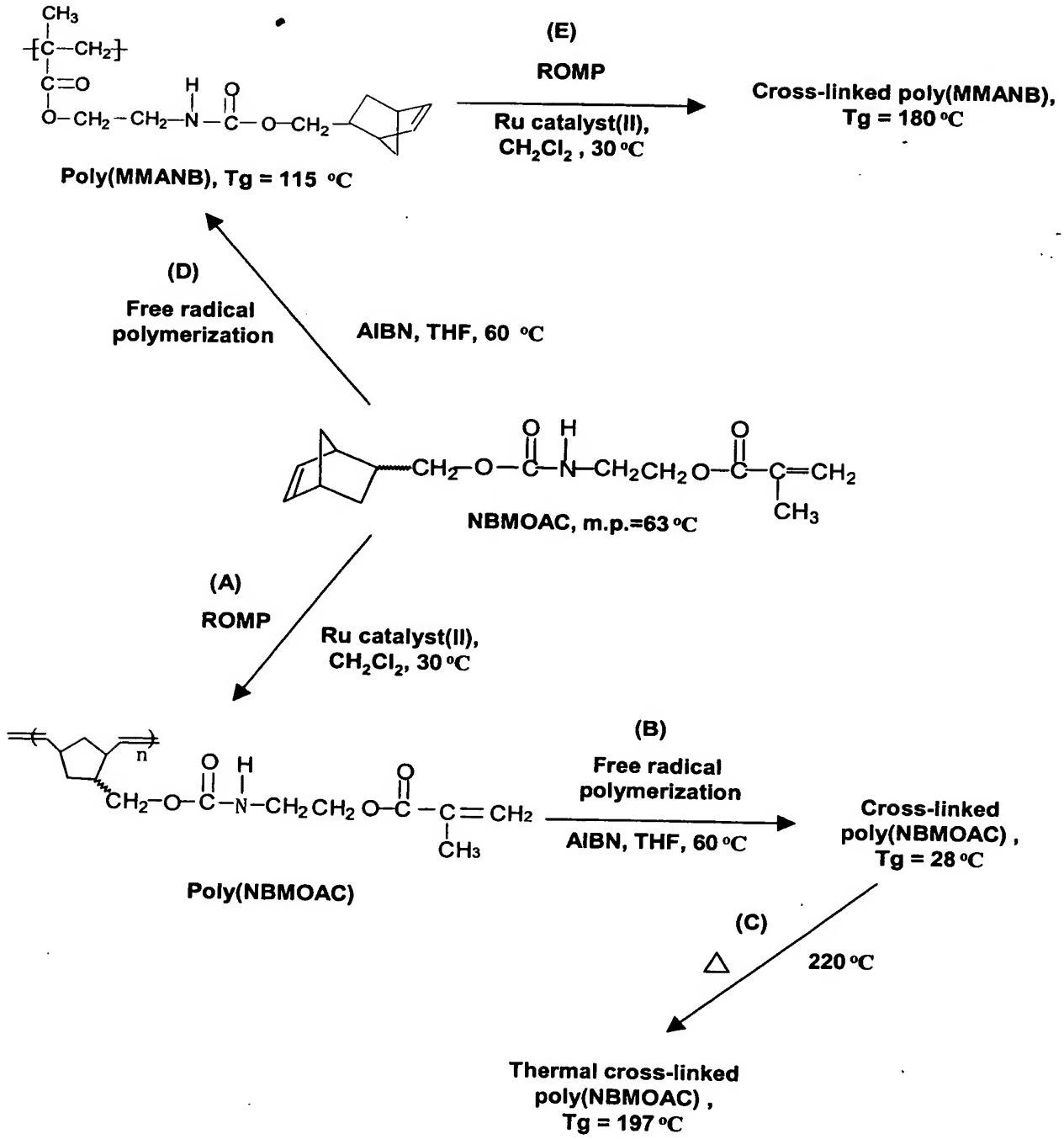
(E)
ROMP
Ru catalyst(II),
CH_2Cl_2, 30 °C
Cross-linked poly(MMANB),
Tg = 180 °C
Poly(MMANB), Tg = 115 °C
(D)
Free radical
polymerization
AIBN, THF, 60 °C
NBMOAC, m.p.=63 °C
(A)
ROMP
Ru catalyst(II),
CH_2Cl_2, 30 °C
(B)
Free radical
polymerization
AIBN, THF, 60 °C
Cross-linked
poly(NBMOAC),
Tg = 28 °C
Poly(NBMOAC)
(C)
△
220 °C
Thermal cross-linked
poly(NBMOAC),
Tg = 197 °C

Fig. 1